**Material Safety Data Sheet (MSDS) Activity**

1. **Complete the following table about each of the following products:**

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| **Product Name** | **Appearance** | **Melting Point** | **Special Protection** | **Emergency First Aid** |
| **Acetic Acid** | Clear colourless liquid; vinegar odor | Freezes 0 ˚C | None in normal lab handling; work in ventilation hood in misty conditions | Eyes: flush with water, 15 mins. Get med. attn. Skin: flush with water, wash with mild soap and water |
| **Sodium Bicarbonate** | White crystalline powder, no odor | 109 ˚C | None needed; NIOSH/MSHA dust mask in dusty conditions | Ingestion: if conscious, give water or milk, induce vomiting, call physician;  Eyes: as with sand; skin: as with acetic acid; inhalation: as with sand |
| **Sand** | White, yellow, tan crystals or granules, no odor | 1710 ˚C | None for normal lab use; NIOSH/MSHA respirator in dusty conditions | Eyes: flush with water, 15 mins. Inhalation: remove to fresh air; Give artificial respiration if not breathing; Give oxygen if difficulty breathing. Get med. attn. |
| **Calcium Metal** | Lustrous, silver-white surface when freshly cut, tarnishes to grayish-white on exposure to air | 839 ˚C | Normally none needed; use NIOSH/MSHA dust-filter mask if needed | Skin: wipe excess from skin, wash with soap and copious amounts of water; Eyes: as with ascetic acid; ingestion: give water to drink, induce vomiting; Inhalation: as with sand |

1. **In which section of the MSDS sheet can the following properties about a chemical be found? Give 2 descriptions about each section.**

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| **Property** | **Section** | **Description** |
| **Special Protection** | VIII (8) | Ventilation, protective gloves, eye protection |
| **Name** | I | Product, chemical synonyms, formula |
| **Physical Data** | III | Melting point, boiling point, solubility in water, appearance and odour |
| **Spill or Leak Procedures** | VII (7) | Steps to be taken, waste disposal method |
| **Health Hazard** | V (5) | Threshold |

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